

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: Re: \*REALLY\* old radios.....  
Message-ID: <9605061934.AA13927@syseng1.se.melpar.esys.com>

Dave, K4JRB, said:

>I'll bet that less than 50% of the receivers sold from 1050 to 1965 came  
~~~~~  
>with the matching speaker.

Boy, I'd like to have one of \*THOSE\* models! Or maybe one  
of the maritime radios Columbus used in 1492.....or the ones used  
by Sir Francis Drake for ship-to-ship comms when he defeated the  
Spanish Armada (Ye Commande Setf?).....or ????????

Sorry, couldn't resist.....

73,

Paul, K4MSG

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: lkayser@WorldLink.ca (Larry Kayser)  
Subject: 6ag7's, TTY Loop supplies  
Message-ID: <199605061045.GAA05248@beacon.WorldLink.ca>

When I was just a we nipper we got onto SSB using Bill Rust exciters, he was  
w2unj I think, and we all got onto the 6ag7's in gg real quick. For us the  
tube sockets were vastly more expensive than the tubes - but the tubes did  
not last as long. Tube sockets were \$.25 a piece, tubes were 12 to 20 for a  
\$1. We used a series parallel filament set up so we could use a 24 volt  
industrial transformer and the plates were fed of industrial 10/1  
transformers we ran backwards off the 115v line.

Normal operation was easy enough, great care had to be taken to tune them  
up, BUT the real risk was a loud sneeze! I lost several sets tubes when I  
had a bad cold, a sneeze would put the plate meter into meter heaven and the  
HF fuse rated at two amps would open up. I am not sure if the fuse opened  
up due to the peak current demand or the fact that catastrophic mechanical  
failure occurred in the 6ag7's but in anycase the tubes were gone, the fuse  
was gone, the meter was gone and this happened not regularly but often  
enough that we never wore the tubes out for heavy use!

The issue of Teletype Corp selector magnets is most interesting. Please  
NEVER operate selector magnets at less than 120 V DC with a series resistor

- the whole mechanical system is dependent on it. To learn quick what happen when one uses a lower voltage supply, put a standard tty transmitter through a loop supply and into a set of selector magnets. When the system is printing, swing the range control through its arc and note the range of good printing. Now substitute a lower voltage loop supply and swing the range control again and note the difference. I was called to help a museum setting up some tty gear a while back and they were determined not to use a 120vdc supply, as well they had diodes across the selector magnets! It did not work and they were wondering why!

For those of you bringing back old Chicago Teletype Corporation units such as Model 14, 15, 19 etc and having trouble getting them to go, oiling the felts in the assembly will not be of much help to you. When the felts go dry they reject oil excellently. There is only one way to solve the "dry felt" problem. Give your "significant other" some money for a day out and put the typing unit in the stove oven at about 150F for several hours, the felts will swell up and then you can oil them to your hearts delight. I have done this with typing units that have been out of service for over 20 years and had them come back to operating in the center of the range finder.

Good Luck

Larry

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Audio Frequency Choke Details  
Message-ID: <Pine.SV4.3.91.960505200407.7451B-1000000@mesa5.mesa.colorado.edu>

Many of the old regenerative receivers in the ARRL Handbook as well as some commercial units like the National SW-3 used a very large value (approx. 500 H.) inductor in the coupling network to the audio stage.

Why was this type of coupling used in the 1930's and early 1940's but later was dropped? I want to build such a receiver. What are the best ways to create such a large value inductor today? I've heard about connecting two or more windings on an audio transformer in series but I'm not sure what kind of transformer is best to start with. Also, how do you measure such a large value of inductance with any kind of reasonable accuracy? My LCR meter only measures up to 20 H. Should I just forget about this kind of coupling and use capacitive coupling instead?

I'd appreciate any suggestions people might have.

Thanks.

Jim W0KSD

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: Re: Audio Frequency Choke Details  
Message-ID: <199605061142.HAA17848@ns1.ptd.net>

At 09:05 PM 5/5/96 -0500, James Rybak wrote:

>

>

>Many of the old regenerative receivers in the ARRL Handbook as well as  
>some commercial units like the National SW-3 used a very large value  
>(approx. 500 H.) inductor in the coupling network to the audio stage.

>

>Why was this type of coupling used in the 1930's and early 1940's but  
>later was dropped?

You'll generally find this setup when a pentode rather than a triode is used for the detector. The pentode can provide very high gain, but its plate impedance is very high. So, to get the most out of this single stage a high (audio) impedance load is indicated. These sets usually had a single triode for an audio stage. A higher gain audio amp will obviate the use of the choke, which was always an expensive component. It was common to operate regen/autodyne receivers on batteries to improve stability so the cost of the choke was acceptable to reduce power consumption.

>What are the

>best ways to create such a large value inductor today? I've heard about  
>connecting two or more windings on an audio transformer in series but  
>I'm not sure what kind of transformer is best to start with.

Use a tube-type interstage audio xfmr, and connect the primary and secondary in series. You'll have to improvise some means of measuring relative inductance to get the phasing right. Try feeding audio to the inductor thru a high value resistor (meg ohms), and observe the voltage across the inductor on a scope or hi-Z AC meter.

For interesting reading, see George Grammar's article, "Rationalizing the Autodyne" in January 1933 QST. These radios offer surprising performance if properly designed and operated from a stable power supply.

Al Klase - N3FRQ  
alklase@postoffice.ptd.net

Flemington, NJ

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: Re: Audio Frequency Choke Details  
Message-ID: <Pine.SUN.3.91.960506092847.22168A-1000000@indy3>

Hi!

Oh, yes...AF chokes; the bane of the modern regen builder!

1. Ya can't get 'em new. Sometimes they show up at hamfests, but not often.
2. They are pretty much the *\*best\** way to cople the audio out of a regen detector.
3. The value isn't terribly critical, as long as it is "lots of Henries." PSU filter chokes won't do. The more, the better--National used something really preposterous, like 700H, in the SW-3. (They also sold the interstage coupler by itself--choke, coupling condenser and grid resistor in a nice little package, hen's teeth unobtainium today.)

The second-best trick, as Jim suggests, is an AF interstage transformer with the windings in series-aiding. If all the leads are color-coded, it's easy; otherwise you can fiddle around with a source of audio, handing the transformer lash-up in series between it and your headphones; quietest connection scheme wins.

To measure the inductance, you can try hanging a fixed condenser across it and looking for the resonant frequency with an AF signal generator and a pair of headphones, VTVM or 'scope, but the Q won't be very high so you won't see much of a peak. But once you've found the freq, it's simple to take the known condenser value and crank out the inductance.

...I wouldn't bother unless you suspected the inductance was way low. The little 3:1 transformer AES sell appear to be okay as transformers, which would indicate they've got sufficient inductance for this trick. I've got a little receiver about a quarter done that may end up needing this, but haven't got far enough to have any results to report.

73,  
--Bobbi

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Could there be a 1-tube superhet?

Message-ID: <9605061742.AA100396@csemail.cropsci.ncsu.edu>

> Are direct conversion receivers a form of superhet.

Not really. The design goes back to about 1907 when Poulsen's arc was used as a source of radio frequent emissions to beat against standard carborundum or galena receivers.

The proper name is ``external heterodyne'' receivers, often shortened to ``heterodyne'' or just ``beat'' receivers by WWI.

Many moons later, hams erroneously called them ``direct conversion'' receivers. The name fits, but is actually the ol' external heterodyne beat receiver in modern sandbox clothing. Nuttin' new folks!

In the simplest form, make a simple diode xtal receiver with good tuned circuits (both a tuned primary and a tuned secondary) and beat yer local LM or BC-221 meter against it. The system works just fine.

Regenerative receivers came to be called ``autodynes'' because they conveniently provided the necessary heterodyning action, of their own accord, as opposed to requiring external oscillators of some sort (typical in WWI navy style gear such as the A or B model receivers).

Basically, old circuits of grande reputé, never die, they just fade into oblivion, and get resurrected in sandbox style circuitry (or reinvented by sandbox types).

Any regenerator can be significantly improved in conversion efficiency and in quality of audio signal by the use of a heterodyne beat method of reception. In the early days, when I was not knowing that one should not do such things, I used to copy rtty on a regenerative receiver by heterodyning the LM or the rtty vfo against the RAL regenerator. Works fine, and is quite stable enough for 170hz reception of rtty.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Dale Braun <dale.k.braun@uwrf.edu>  
Subject: Duluth/Superior Hamfest Report  
Message-ID: <s18dd5dd.090@adngate.adn.uwrf.edu>

One of the real benefits of this list are the excellent hamfest reports to look forward to on Monday morning. It looks like this past weekend was a good day for hamfests.

But not so for BA'ers at the Duluth, Minnesota/Superior, Wisconsin hamfest held in Superior. There were only seven or eight tables that had anything remotely like BA stuff. The only equipment I saw was a Collins 30L1 for \$650, a homebrew kilowatt amp using a lot of Viking II components for \$250, and an old Eico keyer. There was an old Millen rack-mount transmitter that went quick, and four 221 - type frequency meters, three in excellent shape. Oh, and a exciter from a T-368. Parts were more plentiful. I picked up several B&W linked coupled coils. There were many capacitors, tuning caps, transformers, some tubes.

Probably the highlight from my viewpoint was the literature. Paul Washa was there with his assortment of vintage radio re-prints and special interest publications. Even Chuck Person's book - signed no less! I picked up a 1941 army training manual on installing and maintaining teletypes. Plus a couple surplus conversion manuals.

But no real BA's. Which I find funny since this is a truly regional hamfest covering most of northern Minnesota and northern Wisconsin and one of the earliest hamfests of the season.

73,  
Dale  
WD9GWH

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Jeffrey Herman <jherman@hawaii.edu>  
Subject: Re: From .swap / please contact them, not me / Jeff KH2PZ  
Message-ID: <Pine.SV4.3.91.960505192259.20618A-100000@uhunix5>

> >From emuldune@aol.com Sun May 5 15:48:41 HST 1996  
> I came across a bunch of old stuff at my uncles place when we cleaned it  
> out. He was into Ham radio when he lived. Two of pieces I saved from the  
> dumpster are a Hallicrafters HT-37 radio/transmitter? and an R.L. Drake  
> 2-B Communication rcvr. Anybody interested?

> By the way, these things are full of tubes and are as heavy as rocks.

This breaks my heart. His uncle might have spent a lifetime building up a collection of who-knows-what, only to have most of it tossed in the dumpster. I know this topic appeared a couple months ago but Gang, \*please\* make provisions for what you want done with your gear \*now\* so it will end up in the hands of someone who will love it and care for it as much as you have, whether it's Collins stuff, a lowly soldering gun, or your junk box of components.

I wonder how many of his uncle's tubes were tossed in the dumpster? I wonder how many tubes belonging to Silent Keys throughout the decades have been thrown out?

Feeling sad for all the Silent Keys and the loss of their lifelong collections,

Jeff KH2PZ (ex NH6IL, WA6QIJ, WH6AEQ, NMO)

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: KB9VU@aol.com  
Subject: FS: manuals and...  
Message-ID: <960506035006\_107476853@emout19.mail.aol.com>

In addition to the R-390A, 51J3 and HT-32A I picked up a couple of weeks ago, I finally got the rest of the stuff I bought picked up this weekend from up north. I found the following items that I do not need:

Manuals: Copies

T-196/GRC-19 Manual and full schematic set. (TM 11-806/T0 31R2-2GRC19-11)  
Collins 75S1 complete.  
Collins KWM-1 with full schematics  
R389 complete

Equipment:

HP 608C Signal Generator with manual copy  
160 Meter Transmatch. Switched inductor. Fully metered.  
Several AC and DC panel meters. Volts, Amps, milli amps, etc.  
Jennings vacuum variable  
Hallicrafters R-42A speaker. Restored. Cloth on the speaker face is non standard.  
Knobs, Tubes, Switches, etc.

Books:

Several Radio Handbooks from 1938 through current.

If anyone is interested in a specific list, shoot me an E-Mail and I'll return the info to you.

Trades or for sale on all.

Thanks!

Mike

KB9VU@AOL.COM

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: n4lq@iglou.com (Steve Ellington)  
Subject: FS: Old signal gen.  
Message-ID: <m0UGFe2-00036pC@mail.iglou.com>

I have a very old "Jewel Radio Servie Oscillator" that needs a good home.

It is enclosed in a wooden box with the company's, metal logo on the top which is a really neat one, a cathederal style radio with wings!

Inside the lid is the complete instruction manual telling how to use it for alignment of AM radios. Broadcast band only. I goes down into the IF range.

The panel has for attenuation, high, med, or low I.F. or broadcast range and filament voltage control. A 0 to 100 freq. veriner sets the frequency. It runs on a pair of batteries which fit inside a compartment under a panel on top of the case. Its built much like a tube tester. It has a pair of dead Philco batteries in it. Batteries required are "A" battery, 4.5v and B battery 22.5v.

The instructions explain how one of the tubes functions as the RF osc while the other is an audio osc and provides modulation for the RF and/or audio for testing speakers etc. The instructions include a calibration chart for the dial of this "Pattern 560 Service Test Oscillator.

It has two tubes, type 30 which have chrome caps over them and are accessable from the top of the chassis. I have looked inside and it appears very clean and intact. There's a felt lined compartment for storing test leads an a cotton covered lead with crockagaitor clips is included.

Can anyone make me an offer on this fine old antique made by the Jewell Electrical Instrument Co. of Chicag, U.S.A.?  
Steve Ellington N4LQ@igLou.com  
Louisville, Ky 40272



From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Jim Dillon <beadgal@ptialaska.net>  
Subject: Halli/Heath Book Update  
Message-ID: <01BB3B5D.94840D20@juneau\_146.dialups.ptialaska.net>

Hello Bibliotechs-

Following checks have been received since last Thursday check-in list.

For Dachis Hallicrafters:

|               |          |             |
|---------------|----------|-------------|
| Adams         | Caldwell | Clarke      |
| Dragoo        | Elliott  | Fowler      |
| Lyle          | Reid     | Ray         |
| Richardson    | Rodowicz | Rutledge    |
| Raine         | Wray     | Wright, Dan |
| Wright, Frank |          |             |

For Trans-0:

|        |      |     |
|--------|------|-----|
| Dragoo | Lyle | =09 |
|--------|------|-----|

For Philco:

Dragoo

I will call all above in for ship from PA Wednesday. If you sent checks =  
earlier than early last week, look on last Mon, Tues, Thurs lists =  
(actually don't bother, you should get your books UPS starting today.)If =  
sent later, I'll post another update Wednesday.

Checks received for Penson Heathkit: A Guide:

|                     |         |         |
|---------------------|---------|---------|
| Dobler              | Douglas | Johnson |
| McDonald (2 copies) |         | O'Brien |
| Post                | Pinner  | Shepard |
| Sorsby              |         |         |

These and next 14 received will be in first batch mailed from Juneau =  
when they get here from ER in CO.

I called Old Colony re: Radiotron Designers 4th.Ed. CD. They could only =  
offer  
a 15 or 20 off discount and in light of that and limited number who =  
would be  
interested, I decided to pass.

Thanks Jim Dillon beadgal@ptialaska.net  
seeking S/SX-9, S-14

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Lrware@aol.com  
Subject: Re: Hallicrafters S-120 Owners Guide  
Message-ID: <960506221023\_529671079@emout10.mail.aol.com>

Boy, there is sure a lot of S-120 owners without docs.  
on the BA mail list :-)  
Jerry Proc gets the real owners guide, and about 10  
others get photocopies.  
Enjoy...  
-Larry Ware  
lrware@aol.com

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Chuck Penson <penon@sci.mus.mn.us>  
Subject: Heath choke FS  
Message-ID: <318E76DD.C6A@sci.mus.mn.us>

Recently found a choke from a Heath Warrior amplifier. This is the power  
supply swinging choke--12 HY I think. Seems to be new or like new. As I  
do not need it I will sell it for the best offer plus shipping (weights  
about 10 pounds).

--

Chuck Penson  
Education Division  
Science Museum of Minnesota

penon@sci.mus.mn.us  
612.221.4510 voice  
612.224.5092 fax  
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: rowlands@magma.com (Mike Rowlands)  
Subject: Re: Heath choke FS  
Message-ID: <v01530500adb3e898d6bd@[204.191.36.127]>

Hi Chuck:

Do you know if anyone is handling Heatkit spares these days?

I have a non-BA HW8 in urgent need of a new rf gain pot!

Cheers,

Mike

Mike Rowlands  
VA3MR/G3NKR  
rowlands@magma.com  
Ottawa, Ontario

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: "Joseph J. Curry" <71407.1774@CompuServe.COM>  
Subject: Heathkit Info Wanted  
Message-ID: <960506174025\_71407.1774\_FHV101-1@CompuServe.COM>

Greetings:

Last Saturday I picked up a Heath QM-1 Q meter at a swap meet and I need a manual. If someone has a complete manual for sale or could provide a copy that would be great. At the very least I'd like to get a copy of the schematic and operating instructions. For the latter, I'd be happy to pay for copying costs and postage.

Check that old pile of manuals. I'll bet there's a QM-1 in there somewhere!

Please reply to 71407.1774@compuserve.com

73,

Joe  
KE6LFT (ex-K3IC0)  
AMI #721

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: lkayser@WorldLink.ca (Larry Kayser)  
Subject: Hot Prices \$\$\$ for BC-611's  
Message-ID: <199605062315.TAA16234@beacon.WorldLink.ca>

With the announcement that "broadband HT radios" will be banned at the Atlanta Games which is in some distant way related to the Olympics. I guess the only approved radio for the Atlanta Games (nothing to do with sport any more) will be the BC-611. Will it be a Boatanchors service to have a

special registry for BC-611's so that those who have some reason to attend the Atlanta Games can rent a real 'Atlanta Approved Narrow Band' radio? ;<) Then again the BC-611 might be "broad" in some other sense...

With any luck the Games will be stopped by some court responding to an injunction for something or other. What we need is 146940 microwave ovens with their doors propped open facing the venue site to finish cooking the scrambled eggs sloshing around the site.

How about free HT's for all the homeless and poor folks who are being exported from Atlanta for the duration?

I guess the real solution is some mobile 19 sets to help out with the narrow band technical requirements. ( . ) [you do not want an explanation of this one!]

Sermon Over, I am only sore because I forgot to bid for the ticket concession for the management venue at the Atlanta Games.

Larry

Flame Shield is in place.

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Re: Hot Prices \$\$\$ for BC-611's/HT's at ACOG  
Message-ID: <199605070132.VAA04057@borg.mindspring.com>

Larry..and BAers.

According to Jim N4UCK HT's are now approved for the olympics but must be checked. He put out a message about 1 week ago on rec.amateur.radio.misc.

Dave K4JRB (K96JRB or K26JRB, or K400JRB)

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Paul\_Bocci-CPB007@email.mot.com  
Subject: HQ145X manual  
Message-ID: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>

Hi Folks,

At the Sandwich, Ill. hamfest this weekend, I acquired an HQ145X. It is in

fairly decent shape except for a bit of rust on the front panel. I have already cleaned it up and lit it up and, while it makes a bit of noise, it is clearly in need of some attention. If I'm lucky, just an alignment. So, does anybody have a manual or copy thereof that might help in this quest? I will gladly cover expenses. Thanks in advance.

73,  
Paul, K9NO

CPB007@email.mot.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: spr@earthlink.net (Scott Robinson)  
Subject: Inductors as coupling devices in regen receivers  
Message-ID: <v01530505adb2d8cd6b6e@[153.37.85.78]>

James Ryback wrote:

>Many of the old regenerative receivers in the ARRL Handbook as well as  
>some commercial units like the National SW-3 used a very large value  
>(approx. 500 H.) inductor in the coupling network to the audio stage.  
>  
>Why was this type of coupling used in the 1930's and early 1940's but  
>later was dropped?

Well, any such inductor would have a pretty low (few kHz?) self-resonance with the stray capacitance in its windings, so it's not a pure inductor by any means. I don't know why they were used as I have not looked at a regen receiver circuit in decades. In general, early radio was cost-optimized just as things always are. Since tubes cost quite a bit, if an inductive device gave extra gain, it would be used as a lower cost way to get the needed gain. Could this be the explanation?

That's as much as I know or can reasonably conjecture. Other wisdom, please?

Regards,

Scott Robinson  
spr@earthlink.net

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: johnmb <johnmb@nando.net>  
Subject: KA1GTTs pics on the web page...

Message-ID: <Pine.SUN.3.91.960506110236.29682A-100000@bessel.nando.net>

I added fellow boatists Andy Wallaces' pics and text to my Boatanchors web page ... so bop on over and take a peek when you get a chance...

Best  
/john

<http://www.zynet.com/~johnb/>

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: okasb@shoe.mtv.gtegsc.com (Bob Okas)  
Subject: Looking for HW-32 info  
Message-ID: <9605062356.AA21556@shoe.mtv.gtegsc.com>

Hello All,

I guess the monthly Livermore swap meets have become passe given the dearth of postings citing BA sightings. Well, there are bargains to be had as exemplified by my adoption of a \$5 Heath HW-32 yesterday. Little feller sat up and begged me to take him home like a puppy at the pound.

Cosmetically, it's about a 7 Electrically, all but a few 6EA8's and the 6EB8 were missing, but I managed to recover the needed devices from my nearly full 5 gallon spackle bucket of as yet unsorted 7- and 9-pinners. Lacking the requisite HP-23 power supply, I was ready to cobble up heater and a low HVPS supply to check out the receiver portion. That's when I discovered that the schematic that came with the unit was for the "-A" version, which sports an 11 pin power connector. My older unit uses a standard octal chassis connector. Two questions arise: 1) What other electrical differences are there between the two versions; 2) Can somebody email me the octal plug pinout? I also need a copy of the operators manual, alignment info and an accurate schematic.

Any help would be appreciated.

Bob - N3MBY/6

From boatanchors@theporch.com Mon May 6 21:46:51 1996

From: "Don Ehrlich" <dehrlich@eldec.com>  
Subject: Marauder & NC300 For Sale  
Message-ID: <9605062109.AA14513@eldec.com>

I saw these two nice boatanchors for sale on consignment at ABC Electronics in North Seattle this weekend.

Marauder: 80-10 transmitter with manuals looks like new, all original looking under the lid and at front panel except for a few typeical minor scuff marks around edge of case. Don't know if it works. \$150

NC300: Has 1 1/4, 2, 6 meter converter. This one looks really nice too although don't know if it works. \$200.

Both look really nice. Don't know history but anyone interested could probably talk to the store and perhaps they would be willing to put you in touch with the owners of the equipment. Call them at 206-364-8300.... Do not call me.

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: bhall@GP802.jsc.nasa.gov (Hall, Benjamin D.)  
Subject: Matching speakers, where are they?  
Message-ID: <1996May06.100448.1425.453997@jsc-ems-hub02.jsc.nasa.gov>

Hello all...

Recently tracked down a Hallicrafters SX-24 with matching speaker. Couldn't convince the seller to split them up, so I bought the pair and now have two SX-24's. I look at it this way: I'll have one to look at while I rebuild the one my Grandfather gave me and vice versa. Any questions or discrepancies in my notes will be taken care of by the second set. Then I figure I'll get a second antenna and use them both in a diversity setup!

Then I got to thinking: In my entire collection, I have six BA's but none of them have the matching speakers! At the two hamfests I have been at in the past three months, I have seen only one receiver sold with the matching speaker, and no speakers by themselves.

So where are all the matching speakers? Or did most hams of the BA era build their own to save \$'s? What do y'all use for speakers? Right now I have a single 5" speaker I bought at Radio Shack that I switch between the different radios. Would like to dedicate a speaker to each radio eventually.

Thanks and 73,

Ben

----

BHall@GP802.JSC.NASA.GOV

BDHall@ghgcorp.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: Matching speakers, where are they?

Message-ID: <Pine.ULT.3.91.960506104442.6376B-100000@admin.aurora.edu>

On Mon, 6 May 1996 bhall@gp802.jsc.nasa.gov wrote:

> Then I got to thinking: In my entire collection, I have six BA's but none  
> of them have the matching speakers! At the two hamfests I have been at in  
> the past three months, I have seen only one receiver sold with the matching  
> speaker, and no speakers by themselves.

>

> So where are all the matching speakers?

Good question. I suspect maybe there were not all that many sold in the first place. To find out what speaker really goes with what receiver, best to look in the old ads (QST, CQ, old ARRL handbooks).

Does anyone know if there really was a matching speaker for the SP-600's?

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Mon May 6 12:41:27 1996

From: bhall@GP802.jsc.nasa.gov (Hall, Benjamin D.)

Subject: Re: Matching speakers, where are they?

Message-ID: <1996May06.110358.1425.454576@jsc-ems-hub02.jsc.nasa.gov>

Good question. I suspect maybe there were not all that many sold in the first place. To find out what speaker really goes with what receiver, best to look in the old ads (QST, CQ, old ARRL handbooks).

Does anyone know if there really was a matching speaker for the SP-600's?

---reply separator---



If I had to theorize, I'd bet not many were sold in the first place like you say... Hams are a thrifty bunch, and I'd bet only the richer ones bought the matching speaker when they could make their own for less \$\$\$.

Thanks and 73,  
Ben

---

BHall@GP802.JSC.NASA.GOV  
BDHall@ghgcorp.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <199605061628.LAA16263@uro.theporch.com>

>  
> Does anyone know if there really was a matching speaker for the SP-600's?  
>

The only thing I've seen in the Hammarlund flyers is a rack mount speaker shown with the SP-600/SPC-10 in a single large cabinet.

Grant/NQ5T

-----

Grant Youngman / NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)

Beautiful downtown Double Oak, TX

-----

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: johnmb <johnmb@nando.net>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <Pine.SUN.3.91.960506131331.15763A-100000@bessel.nando.net>

I think all of the matching speakers hide out in  
the same place as missing knobs and instruction  
manuals.  
/john

From boatanchors@theporch.com Mon May 6 21:46:51 1996

From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <199605061747.NAA29693@borg.mindspring.com>

I'll bet that less than 50% of the receivers sold from 1950 to 1965 came with the matching speaker. When I bought my first receiver (S-40B) and didn't have the extra to get the matching speaker. I went to Southern Radio in New Orleans (on Tulane Ave, Sandy) and got a speaker case and big speaker for \$7 and change. The matching speaker was 3 times that amount. This went with my later receivers (HQ-110, RME 6900, and Drake R4A), too. I still have it altho I had to replace the speaker about 12 years ago.

With the money saved I was able to get the parts to build the classic trap antenna in the 1956 QST and buy several crystals from JAN in Florida.

The first matching speaker I got was the SP980P that came with a FT-980 in 1983. I still have that!

Dave K4JRB

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <Pine.SCO.3.91.960506110306.17253A-1000000@sd.cts.com>

On Mon, 6 May 1996 bhall@GP802.jsc.nasa.gov wrote:

> Then I got to thinking: In my entire collection, I have six BA's but none  
> of them have the matching speakers! At the two hamfests I have been at in  
>  
> So where are all the matching speakers? Or did most hams of the BA era  
> build their own to save \$'s? What do y'all use for speakers? Right now I

Have never bought a receiver new that required an external speaker, but having always had extra speakers sitting around, would never have paid the extra bucks for the factory speaker. Of course, if I had known the speakers would have become more valuable than the matching radios ....

With a shelf full of speakers above my head, here in earthquake country, I'm thinking of building a power amp with summing inputs to drive one common speaker.

John Kolb KK6IL jlkolb@cts.com

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: "Edward J. Zeranski" <ejz@nosc.mil>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <2.2.32.19960506210003.007160dc@marlin.nosc.mil>

At 12:48 5/6/96 -0500, you wrote:  
>I'll bet that less than 50% of the receivers sold from 1050 to 1965 came  
>with the matching speaker.

> Most of the parchment cones dried out during the crusades anyway.  
Edward J Zeranski NRaD code 821 ejz@marlin.nosc.mil  
619 553-2640  
DSN 553-2640  
FAX 553-1394  
STU-III 2640

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Sandy Blaize <70401.134@CompuServe.COM>  
Subject: Re: Matching speakers, where are they?  
Message-ID: <960506231353\_70401.134\_IHD34-3@CompuServe.COM>

Dave,

Ah! Southern Radio Supply....BIG...Hallicrafters supplier at one time!  
I think you are RIGHT ON TARGET! Who wanted to pay \$29.95 or \$39.95 for  
a loudspeaker when you could get a nice one in a wood cabinet for \$5-10!  
Usually with a nice Jensen PM loudspeaker too. (None of that cheap QUAM  
crap!)

Just checkout the prices of some of the speakers in the old ARRL  
Handbooks! When you bought your new SX-42 for \$275.00 the matching  
R-42 speaker was \$34.50! If you opted for the cheaper SX-43 at \$159.50 then  
you had to shell out \$24.50 for the matching R-44 speaker! I guess that was  
one reason the S-40A was so popular at \$79.95! You got the speaker to  
boot, built in!

I guess everyone should know that the Collins 51J-3 and 51J-4  
came "less cabinet". The cabinet was an additional, expensive 'accessory'!  
Most of these sets went into commercial or military service where they were  
rack mounted. I'd bet REAL Collins cabinets for these sets are very rare!  
73,  
Sandy W5TVW

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: "D.D. Todd" <dube3@n-link.com>

Subject: Millen GDM - sold  
Message-ID: <318AFC13.68FB@mail.n-link.com>

The GDM has been sold. Thanks.

--

73,  
Dube Todd            AB5AP            dube3@n-link.com

If we had to tolerate in others all that we permit in  
ourselves, life would be completely unbearable.

- Georges Courtelline

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Steve Ellington <n4lq@iglou.com>  
Subject: Need Speaker  
Message-ID: <Pine.GS0.3.92.960506211824.14899A-1000000@iglou>

I need a 10" speaker for an old, large, metal, communications speaker.  
All I have been able to find in this size are woofers. Doesn't anyone make  
plain-jane replacement speakers anymore? What happened to Quam?  
I've checked RadioShack, Allied, Newark, AES and a host of other suppliers  
to no avail. Maybe someone out there has a slightly used one???

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: michael@kc2kj.k2nesoft.com (Mike Sullivan)  
Subject: Newtown Hamfest Report  
Message-ID: <199605060226.WAA29280@kc2kj.k2nesoft.com>

This is a relatively small 'fest held in early May prior to Mother's Day.  
Took the family and arrived about 8 am (early for a Sunday) and surveyed  
quickly for various 'anchors. Caught the sight of an ht30 for \$45 dollars and  
it almost went home with me but continued looking. Saw two r390s which did  
not sell. There were no Collins rigs in evidence! Saw a  
sx-117rec/ht??transmitter pair but seemed overpriced at \$350. They were in  
good shape however.

But I did find a very sad looking ht-46 which followed me home for \$15.  
Evidently the case has sat on a concrete floor and gathered rust on the  
bottom as well as evidence of some liquid spilled on the top that had  
wormed its way  
to the chassis and beyond. Hard to imagine how people destroy a rig through  
negligence, especially considering that the transmitter cost \$299 new in

1970! Real money back then.

In any case, I bought it because it had the typical Halicrafters power switch on the operation rotary switch and I have been looking for that switch for my SR-2000 transceiver for about 5 years (on and off.....). Now my SR-2000 has the switch. Now I can devote some attention to the SR-2000 again and the AGC problem it has....maybe even fix it.

I have not tried the HT-46, but after looking at it carefully I believe it can be made to play. Anyone have a power switch for an HT-46???? Or a front panel (its in pretty sad shape)?

Mike

kc2kj

-----  
michaels@kc2kj.k2nesoft.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Oregon estate sale

Message-ID: <Pine.SUN.3.91.960505204005.29662A-100000@coyote.rain.org>

I just talked to Bob White, N7IZ (an 82-year-old WW2 Merchant Marine steam engineer in the Pacific who took his very own SX-25 along!). He's helping a friend dispose of his brother's equipment and parts (spent a bundle to ship it from Utah to Oregon, to help the widow). It's currently keeping his plane out of the hangar, and has to go.

His brother was in public service comm maintenance in Salt Lake City, and has scads of parts, some ham gear, some military gear, equipment that he designed for comm use at work, test equipment, old Motorola gear/manuals, etc. The parts include a \*bunch\* of old vibrators, and just about everything else you can think of. HV and filament transformers, modulation transformers (one very large), audio line transformers, output transformers, and of course \*TUBES\* (both boxed and unboxed). On the tubes, he said that if a tube failed in a city radio they would normally replace \*all\* the tubes; so most of the loose tubes \*should\* be good. Unfortunately, he doesn't have a tube tester. He mentioned quite a few cables with connectors that will be difficult to identify -- could be military, could be 2-way FM, could be anything.

He's way out in the boonies, on the coast in a town of about 1700, and with at least a hundred miles across the mountains to get anywhere you'd recognize.

The brother just wants to get his hangar cleared out, getting whatever he can for the material without too much hassle. Bob has other things to do

than spend all day at the hangar, but will do what he can to figure out what is there and handle phone calls, etc. He can't do too much shipping due to the time it would take, but will do some. Any \*reasonable\* offer will be considered.

Contact: Bob White, N7IZ  
P.O. Box 471  
Waldport, OR 97394  
(541) 563-4931 (at reasonable hours, please!)

He sounds like a heckuva nice guy, reasonable & knowledgeable, etc. Anyone close enough to pick his brains about his experiences? He said that at sea in the combat zone he wasn't allowed to use the SX-25. Had to use a Navy Model Scott entertainment receiver, but didn't remember which one, as it had good oscillator suppression.

73 and good hunting!.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Liles Garcia <liles@bitinc.com>  
Subject: Portland, Oregon Antique Radio Swap Meet  
Message-ID: <199605070153.SAA15785@zephyr.bitinc.com>

Good evening fellow Boatanchorites,

Our antique radio club, NorthWest Vintage Radio Society, located in Portland, Oregon had our semi-annual show and swap meet on this past Saturday. One of our club members sold a clean, working Hallicrafters SX-71 for \$85.00 to someone that walked out smiling like a little kid. There were a Coast Guard R-115 (made by National) for \$95.00 and a Patterson "All Wave" for \$125.00. Both receivers were clean, but had been stored for a while, so operation was not guaranteed. I do not know enough about the Patterson to recognize a good buy or not, but the receiver was very clean inside. Can someone please do me a favor and tell me more about the R-115. Did I pass up a good deal or not? My interest is in Mil-Surplus Receivers, but I thought that this price was a little high. Moore's book says that the R-115 is an AC/DC unit and it has about 13 tubes. There are only about 4 knobs other than Tuning and Bandswitch and one of those is a power control. This receiver did not look like anything special so I did not buy it. If anyone is interested, these receivers went back home to Seattle. Also if anyone is really interested, I wrote down the owner's name and address.

Other BA's were an Italian Geloso ham band only receiver, an S-40A for \$40.00, working status unknown.

Regards from Aloha, Oregon,  
Liles Garcia  
liles@bitinc.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Emil Switzer <SWITZER+\_E%A1%Electromagnetic\_Sciences@mcimail.com>  
Subject: Re Queen Mary Anchor  
Message-ID: <83960506141238/0006082972NA1EM@MCIMAIL.COM>

Not to get too much into one upsman "oh yeahs" but years ago I worked for Raytheon in Boston and we were building the transmitter for the Missile site Radar that was part of the Ill fated anti ballistic missile programs. The modulator for the final klystron used a pair of 4-1000's - AS THE DRIVER - for the final modulator. I was able to get one of the pullouts and used as a HF linear for years.

73, Emil

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>  
Subject: Re: R-392/URR, anyone?  
Message-ID: <179FC8344BA@sbii.sb2.pdx.edu>

Hi Tom and others who have responded with help on the 392 grunge,

Did some sleuthing over the weekend. A 20 dB attenuator did reduce the grunge in the receiver, but of course it also reduced the signal. I cannot really say that the grunge was reduced more. Some have suggested the grunge will disappear faster, since below some threshold the set should become linear and mix products should go away. I found that when the grunge was gone so were all but the strongest signals (like SWBC - and almost no ham sigs left).

On Friday night the grunge was so bad that I was able to find one of what appeared to be two broadcast stations causing trouble. One was classical music and, presto, I found it. It is an FM broadcaster at 89.9 MHz!!! This music was comodulated with another weaker signal, voice broadcast, which I did not find.

Interestingly the noise/grunge peaked between 3800 and 3900 kHz, and I suppose there is some mathematical relationship to devine what other station frequency is necessary to make a product at 3890.00. The obvious thing, I guess, is the sum of say 3,800,000 and 89,900,000 which is 93,800,000. It so happens that there is a strong FM broadcaster at 93.8 MHz in Portland. Now is it true that all I need is some sort of non-linear behavior in the R392 front end to create sums and differences, and thus a signal at 3.8 MHz?

Of course this begs the question of what 80-90 MHz energy is doing past the 392 preselector?

Thanks for the input,

=Randy=

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: R-392/URR, anyone?  
Message-ID: <Pine.SCO.3.91.960506113434.17253E-100000@sd.cts.com>

On Mon, 6 May 1996, Randy Zelick wrote:

> Interestingly the noise/grunge peaked between 3800 and 3900 kHz, and I  
> suppose there is some mathematical relationship to devine what other station  
> frequency is necessary to make a product at 3890.00. The obvious thing, I  
> guess, is the sum of say 3,800,000 and 89,900,000 which is 93,800,000. It so  
> happens that there is a strong FM broadcaster at 93.8 MHz in Portland. Now is  
> it true that all I need is some sort of non-linear behavior in the R392 front  
> end to create sums and differences, and thus a signal at 3.8 MHz?  
>

Yes, any non-linear device will cause sum and difference products to be generated whenever two or more signals pass through them.

It could be a mixer, or even RF amp tube. It could also be a touch of corrosion between a ground lug and the chassis (for example) forming a a non-linear junction. A few poor connections could explain how the VHF signals get past the tuned circuits.

John Kolb KK6IL jlkolb@cts.com

From boatanchors@theporch.com Mon May 6 21:46:51 1996



From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: R-392/URR, anyone?  
Message-ID: <Pine.ULT.3.91.960506160319.29856A-100000@admin.aurora.edu>

On Mon, 6 May 1996, Randy Zelick wrote:

>  
> Interestingly the noise/grunge peaked between 3800 and 3900 kHz, and I  
> suppose there is some mathematical relationship to devine what other station  
> frequency is necessary to make a product at 3890.00. The obvious thing, I  
> guess, is the sum of say 3,800,000 and 89,900,000 which is 93,800,000. It so  
> happens that there is a strong FM broadcaster at 93.8 MHz in Portland. Now is  
> it true that all I need is some sort of non-linear behavior in the R392 front  
> end to create sums and differences, and thus a signal at 3.8 MHz?  
>  
> Of course this begs the question of what 80-90 MHz energy is doing past the  
> 392 preselector?

Good sleuthing! It is possible that the mix is happening outside the receiver. If it is indeed 2 FM stations mixing, try a lowpass filter ahead of the receiver and see if it goes away. If another receiver, on the same antenna acts the same way, then obviously it is an external mix.

E-mail broehrig@admin.aurora.edu                      73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL

From boatanchors@theporch.com    Mon May    6 21:46:51 1996  
From: Dale Braun <dale.k.braun@uwrf.edu>  
Subject: RAK Receiver  
Message-ID: <s18df37b.018@adngate.adn.uwrf.edu>

This weekend I picked up a "new" RAK receiver from a friend. I say "new" because he literally took it out of its shipping carton. A thrill, let me tell you. It works fine.

But it is set up for the very low frequencies - 600 KHz and down. Since I've heard it is such a great CW receiver, I'd like to try using it on 80 meters. Do any of you have a suggestion on how to construct an appropriate frequency converter? Nearly all of my ham building work has been on the transmit side, never with receivers so any advice would be appreciated.

Thanks and 73,  
Dale  
WD9GWH  
Dale.K.Braun@uwrf.edu

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "Edward J. Zeranski" <ejz@nosc.mil>  
Subject: Re: Re Queen Mary Anchor  
Message-ID: <2.2.32.19960506145942.0070447c@marlin.nosc.mil>

At 09:14 5/6/96 -0500, you wrote:

> Not to get too much into one upsman "oh yeahs" but years ago I worked for  
> Raytheon in Boston and we were building the transmitter for the Missile  
> site Radar that was part of the Ill fated anti ballistic missile programs.  
> The modulator for the final klystron used a pair of 4-1000's - AS THE  
> DRIVER - for the final modulator. I was able to get one of the pullouts  
> and used as a HF linear for years.

>  
> 73, Emil  
>

>  
> Years ago I worked on navigation aids and beacons. The TACAN  
transmitters used 4-1000s as mods for the final klystron also. The tubes  
were changed out on a schedule set up by the FAA. Several hams learned the  
schedule and used to show up right on time.

Ed Zeranski ejz@marlin.nosc.mil, work  
ezeran@cris.com home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No  
person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>  
Subject: Sencore  
Message-ID: <960506033021\_75121.100\_FHI35-1@CompuServe.COM>

Need a manual for the FC-45 Nixie display frequency counter. It has  
tubes and is very old so it should qualify for BA With the nixie display at  
least <g>

It has a socket for plugging in crystals and reading the frequency  
directly on the display. Lately, it has been giving an error (plus 1.8kc) and I  
need to adjust or check on getting it repaired. Anynoe have a book that you can

copy ?

As always be glad to pay copy/shipping costs.

Regards from Honolulu, Raymond Cote  
75121.100@compuserve.com  
Raymond Cote  
1405 Dominis St #105  
Honolulu, HI 96822

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: MAB@delphi.com  
Subject: Source of 10" speakers  
Message-ID: <01I4EG5BRZ8I9D6SMA@delphi.com>

Steve Ellington wrote in search of a 10" full-range speaker.

One source is MCM Electronics at 1-800-543-4330. They have a lot of speakers listed in their 340 page catalog #36. One that might fill the bill is Stock # 55-1300, a 10" Musical Instrument speaker for \$19.95.

Another source is Dalbani at 1-800-325-2264. In their 234 page catalog #16 they have stock #89-2445, a 10" auto speaker for \$8.00, and another, stock #89-2140 for \$7.66.

Hope this helps. 73, Mike

```
/-----\
| Michael A. Burke          This Space |
| Synetics Consultants      for Rent   |
| PO Box 439, 11 Scenic Dr   Real Cheap! |
| Westminster, MA 01473      |
| 508-874-0908              |/\==\|    |
| mab@delphi.com            {}(0|0){}    |
|-----oo00-()-00oo-----|
|
| Do unto others as they would be done unto |
| and practice random acts of kindness.    |
\-----/
```

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: dlkerl@elvis.b11.ingr.com (Dan Kerl)  
Subject: RE: Sovtek & Mullard tubes  
Message-ID: <199605061359.AA16065@elvis.b11.ingr.com>

> Does your friend, or anyone else, know where I can find a pair of new 7027A power tubes  
> for a Newcomb e-75 amplifier that I am converting to a guitar amp for my JO, Ben,  
> KA1YKG?

Steve at Angela Instruments (301-725-0451) was advertising these in his catalog. \$75.00 a matched pair, \$150.00 matched quads. Philips, 1980's manufacture. Hey, they're cheaper than 7591As! Anyway, you might give him a buzz and see if there are any left.

Dan Kerl  
dlkerl@ro.com

dlkerl@ingr.com

"not affiliated with Angela Instruments, except I enjoy the goofy catalog"

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)  
Subject: RE: Sovtek & Mullard tubes  
Message-ID: <9605070043.AA10960@amos.YP.mystnite>

Now I think I can remember these 7027s heading for a 75w Newcomb PA.

There might be a hair-splitting difference between these & decent, late 6L6-GCs. Comparison of the innards reveals no visual differences.

Certainly employment in the AB1 ckt. of the Ranger II underwhelms even a 1936 metal 6L6... rated at 50w out into 3800 ohms @ 400v, AB2, I think Edgar F. J. just gotta a deal on the snazz-labeled 6L6 of '56.

But if you're into psycho-acoustic phenomena, I have no arguments since your ears, not spec.s, tell all.

Ooooooh, I'm a cynical spoil-sport tonite

MR

PS... 6L6-GCs are \$1 ea. at better flea mkt. tables. Look for ones with a clean flash-line & no anode-scorch evidence

Then take a laundry pen & mark them 7027B, the penultimate unreleased

prototypes made in Owensboro, KY by the audio union.

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Sandy Blaize <70401.134@CompuServe.COM>  
Subject: RE: Sovtek & Mullard tubes  
Message-ID: <960507020457\_70401.134\_IHD138-2@CompuServe.COM>

RE: The Ranger and the 7027's...

Best tube I've found to sub the 7027 is the 5881 also known as a 6L6WGB in surplus circles. They modulate the dickens out of the 6146! Leave the 7027A's to the "golden ear audio purists".....regularly raped by the 'snake oil' salesmen!

73,  
Sandy W5TVW

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: dlkerl@elvis.b11.ingr.com (Dan Kerl)  
Subject: Re: SP-600 AVC  
Message-ID: <199605061443.AA16824@elvis.b11.ingr.com>

Al Klase - N3FRQ (alklase@postoffice.ptd.net) sez...

> THIS SOUNDS LIKE ANOTHER CASE OF THE LEAKY CAP SYNDROME! Now listen  
> up, because this applies to almost all tube receivers. Audio distortion on  
> moderately strong sigs is almost always an AVC problem.

Thanks for this clue. I have a Scott SLR-12B that suffers from distortion on strong signals. I've always wondered whiy the 6E5 eye tube shadow would never close, even on these strong stations. Leakage on the AVC line would explain both symptoms perfectly. FYI, the SLR uses a 6H6 for detection. I'll have to open 'er up and do some tests.

Dan Kerl  
dlkerl@ro.com  
dlkerl@ingr.com

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: SP-600 AVC  
Message-ID: <199605061619.LAA15611@uro.theporch.com>

> > THIS SOUNDS LIKE ANOTHER CASE OF THE LEAKY CAP SYNDROME! Now listen  
> > up, because this applies to almost all tube receivers. Audio distortion on  
> > moderately strong sigs is almost always an AVC problem.

Yes, could be. But I can tell you that on my own JX-17, I have replaced each and every cap on the AVC line with no change in performance. Meaning the slight audio distortion on some (but not all) strong signals is still present, without the change in the last IF driver tube. Makes me wonder if it is somehow related to the % modulation on strong signals.

I got the 6AH6 fix out of an early issue of ER -- and while it may tackle the symptom rather than some other root cause, it does work.

Grant/NQ5T

-----  
Grant Youngman / NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)

Beautiful downtown Double Oak, TX  
-----

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: kq4by@ix.netcom.com (Lawrence D. Keith)  
Subject: Speaker farms AKA "the drive in.."  
Message-ID: <199605070034.RAA09011@dfw-ix5.ix.netcom.com>

Andy sez:

>Anyway, just a guess on my part. Then there were the great "fields"  
>where speakers grew called "drive-in movies".

>  
>Andy, WA4KCY  
>AMI #9

>  
>  
Yeah... Those 4 inchers weren't too bad when hooked to an ARC-5 or an SW-54.. Of course, one had to find the right cigar box from which to fashion an enclosure that was not incriminating..

The harvesting process was interesting, too.. Slam the door of that 51 Ford on the speaker wire, get the engine about half revved, and pop the clutch! Wonder why we just didn't take a set of wire cutters to the movie?

Thanks for the memories, Andy!

73,

Larry, KQ4BY

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: Duncan Cadd <dcadd@luc.ac.be>  
Subject: super BA book  
Message-ID: <9605061529.AA32159@alpha.luc.ac.be>

Greetings, Anchorites, from a dull Diepenbeek in N.E. Belgium !

I visited my friend Walter, ON7PX, last week and one of the outcomes was that he loaned me what is possibly the most rivetting BA book I have seen for some time. Sadly, you'll only find it second hand now, but if you ever get a chance to grab a copy of the "Handbook of Technical Instruction for Wireless Telegraphists" don't pass it up. Mine, er, Walter's [ 8-) ] is the eighth edition, 1946, by H.M. Dowsett and L.E.Q. Walker. The first was by J.C. Hawkhead (in 1913 !) the second by Hawkhead and Dowsett, the third to the sixth revised by Dowsett alone. The eighth is just over 650 fun-packed pages of spark tx, valve tx, auto-alarms, depth sounders, aerials, rx, switchboards etc etc. It was intended as a complete theoretical course for the P.M.G. certificate (whatever that was - but it was obviously Marine) and no salty dog should be without one.

What is particularly fascinating about this British treatise is that in 1946 spark sets were still in use as emergency gear, and these are illustrated [ 8-) ] together with the early valve sets [ 8-) 8-) ] which replaced them. Most of the valve rigs used just ONE tube in a TNT or Hartley circuit, and the beautiful pictures show that a lot of these rigs were using the "watermelon" style tube which sat in spring clips and were fed by trailing leads - no sockets ! Some of the tube sets were rigged so that the smoothing could be switched out of the power line for Interrupted C.W. There are super rigs illustrated by Marconi, Siemens and Radio Communication Co (never previously heard of them - but what beauties !) together with circuit diagrams - sadly without values on most of the components, but shouldn't be too hard to guess ! This is the book which tells you how to tune a quenched gap transmitter - don't do it without an antenna or dummy load 'cos the mica insulation in the quenched gap will get perforated FAST ! Now, I'd

never have guessed, I'd have thought these old things were indestructible, but there you go. Glad I read the book before firing up the old spark coil . . .

The real bonus for me is the line drawing of the Marconi straight key, wonderfully described as "Manipulating Key Type 365A", which was evidently in use with both spark and early tube rigs. This is the key I have here, I got it from an SK sale, and was told that the holes at the back of the base were for heavy contacts used in 'primary circuit keying' which puzzled me at the time - but it doesn't now, 'cos I can see what they looked like AND there's wiring diagrams showing how they were used. They were removed when these keys were snapped up by the handful at the outbreak of WW2 and used on HMSS etc. My example evidently found its way from the merchant marine via the official vandal before getting to Bletchley Park from where the SK had it. (OTOH if you've got a complete one, you've probably got a real rarity !)

BTW, there was a thread months ago about capacitance in jars . . . FYI one Jar = 1/900 microfarad, it is/was an official BA/pre-BA capacitance unit 8-)

OK, that's enough enthusing from me, I suspect I'm going to have a job to find my own copy, but if one comes your way, don't let it escape.

72/3,

Duncan ON9CHU / G0UTY G-QRP 8117 dcadd@luc.ac.be

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)  
Subject: Talking Ant. Rotator - Blind Guy  
Message-ID: <9605061137.AA10491@amos.YP.mystnite>

Dear Readership,

This is so vaguely BA-related, it squeaks. But the affected fella was pictured next to me & my 32V3/75A1 in ER some months ago.

I need an IC lay-out of the control-head PCB for an eight-year old Mosely-ProSearch (M-PS) talking rotator.

Blind bud W4WKP's had one ticked by lightning & needs it back in service.



There was no insurance.

M-PS says no IC-source for prior model & wants to sell a complete new rotor/box. In fact they allegedly paint-daubbed the ICs on the rotor/box when it was returned from St. Louis for analysis/repair. Request to one Gary Wurdack for a ckt. diagram resulted only in a block diagram.

Any help, any ideas out there?

If the BA forum can turn up a Jefferson-Travis 350 manual, this should be an easy order. Hope springs eternal,

Tks,

Marty

= = = = = one idea = = = = =

A 'talking rotator' cud be done with any analog-dial rotator, 8 diff. amps, a TI99-4 with Synthesizer, and the "Terminal Emulator 2 slug. IE, no IEEE engineering award material... but some trouble assembling & interfacing.

From boatanchors@theporch.com Mon May 6 12:41:27 1996  
From: roecker.greg@ist.vf.mmc.com  
Subject: Vacation BA's  
Message-ID: <Chameleon.960506112710.greg@roeckerpc.acc.atl.mmc.com>

Hi to all,

I just returned from a one week vacation (way too short!!!!) in beautiful downtown Walt Disney World in Orlando . . . While standing in line (you do that a lot this time of year) for the Jungle Cruise in Adventureland, you snake your way past what looks like an outpost office at the edge of the jungle. As I looked inside, I noticed a couple of BA's placed in the scene to set the "mood". On the desk is a Hammerlund HQ-105TR . . . . . complete with clock and all . . . I've never seen one of these before . . . dials were cloudy, and the cabinet was rusty in some places, but didn't look all that bad. The red accent on the front panel even looked good. On top of it was an older Echophone Commerical SW unit . . . no model number visible. It

looked like a receiver, but they did have an old microphone on top for added for effect . . . no antennas though.

Over at Pleasure Island, you have to go to "The Adventurers Club". First, the entertainment is good, but they also have some very interesting SW and BC receivers as props. Most impressive is an enormous SW receiver in the "Library" next to the piano (which looks as though it fell through the ceiling and onto the stage). It is housed in an extremely large wooden cabinet. In the "lounge" area, there are numerous BC and SW receivers on shelves and tables, some have the speakers wired to the canned background music of the club.

Disney must have a couple of hams keeping their eyes out for these things. I wonder if anyone else saw any that I missed????

Oh well, it was entertaining looking for these things while standing in line (not much else to do) . . . and now its Monday, and I'm here at work . . . . you get the picture!!!

Greg Roecker  
N4OSJ  
roecker.greg@ist.vf.mmc.com

-----  
Greg Roecker  
E-mail: roecker.greg@ist.vf.mmc.com  
From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: wb6zwc@ns.net  
Subject: virus  
Message-ID: <199605062309.QAA16222@tomcat.ns.net>

Here is comment from "top band"....All my FAT's were destroyed so take heed!>

Richard

=====  
=====  
>  
>SM7PKK wrote:  
>  
>>This is also for real!  
>>  
>>There is also a warning concerning a serious virus that spreads via=  
>> Internet.  
>>Its contained in an e-mail message with the subject line : GOOD TIMES  
>>Whatever you do don=B4t read that e-mail. Delete it immediatly if it happens  
>>to get into your box.

>>Remember to delete it from the trashcan aswell.  
>>  
>>This information was received from an internet security person at Lund  
>>University.  
>>  
>>The virus is very destructive in that it can destroy a harddisc and will  
>>spread very easily.  
>  
>This has been reported in the American press several times over the past  
>year, each time as a rumor associated with the AOL online service. And the  
>story always says it is a hoax - it just isn't true! The same story keeps  
>popping up inside my company and I have to kill it each time. Yes, we worry  
>about viruses and have software to prevent them but passing alerts to a  
>mailing list about Top Band activity seems to be a stretch - after all, there  
>are dozens of new viruses every week. There are several places on the  
>Internet where you can get good, reliable information about viruses. Now how  
>about some 160 information? What are you hearing in Sweden these days?  
>  
>73 Tom  
>-----  
>E-mail: frenaye@pcnet.com  
>Tom Frenaye, K1KI, P O Box 386, West Suffield CT 06093 Phone: 860-668-5444  
>  
>  
>  
Richard@Sacramento,Ca.

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: wb6zwc@ns.net  
Subject: virus  
Message-ID: <199605062340.QAA17874@tomcat.ns.net>

Richard@Sacramento,Ca.

From boatanchors@theporch.com Mon May 6 21:46:51 1996  
From: Andy Howard WA4KCY <102452.362@CompuServe.COM>  
Subject: Re: What happened to all the speakers  
Message-ID: <960506173612\_102452.362\_DHT37-2@CompuServe.COM>

>build their own to save \$'s? What do y'all use for speakers? Right now I  
>have a single 5" speaker I bought at Radio Shack that I switch between the  
>different radios. Would like to dedicate a speaker to each radio

>eventually.

>Thanks and 73,

>Ben

>-----

>BHall@GP802.JSC.NASA.GO

I think that one of the possible answers to the speaker question is that in the 1950's when the average amateur was making \$40 a week, speakers were \$50 to match most of the high line receivers.

I have given this a lot of thought myself since you seldom see a receiver with its matching speaker. I suppose if you subscribe to this theory most receivers with matching speakers were owned by more affluent amateurs.

Anyway, just a guess on my part. Then there were the great "fields" where speakers grew called "drive-in movies".

Andy, WA4KCY

AMI #9

From boatanchors@theporch.com Mon May 6 21:46:51 1996

From: "Grant Youngman" <nq5t@gte.net>

Subject: Re: What happened to all the speakers

Message-ID: <199605061816.NAA25868@uro.theporch.com>

> I have given this a lot of thought myself since you seldom see a receiver with  
> its matching speaker.

I'll bet the speakers are all lost in the same place those missing  
socks go ;-)

-----  
Grant Youngman / NQ5T

nq5t@gte.net

HTTP://home1.gte.net/nq5t/index.htm

Beautiful downtown Double Oak, TX  
-----

From boatanchors@theporch.com Mon May 6 21:46:51 1996

From: JOSEPH LUTZ <100735.2050@CompuServe.COM>

Subject: RE: Where did all the speakers go?

Message-ID: <960506203522\_100735.2050\_EHV139-1@CompuServe.COM>

Gang,

Could the possible reason most of the BA's we have, or obtain are sans speakers is due to the fact that in the 'ole daz' there was a widely employed means of communicating called Charlie-Wiskey (CW) - and both back during my ham radio start, where my parents did NOT want to hear all that 'NOISE', up to today where my wife would rather I put on my 'ears' or shut the door when I am on my radio and primarily working CW. So friends, there was no need for the speakers, just a good set of 'CANS' 8>}}

73 de Joe W7LPF/4 (HB9IBA) 'CW uber alles'

SOWP - QWCA - NCVA

100735.2050@compuserve.com

//looking for: EFJ Adventurer; Collins 312B-4; Hallicrafters SX-111//

From boatanchors@theporch.com Mon May 6 21:46:51 1996

From: Jay Coward <jayc@hpmsd2.sj.hp.com>

Subject: WWII moral sets info needed

Message-ID: <9605062256.AA11803@hpmsd2.sj.hp.com>

Greetings to the List,

I'm posting for a friend who does not have e-mail. Please respond to him by phone or snail-mail.

Henry Engstrom KD6KWH

PO Box 5846

Santa Rosa CA 95402

(707) 544-5179

Henry is a collector of WWII radios and is currently working on a number of the sets produced for troop entertainment. He is gathering material and sets in order to write an article for one of the magazines.

He is in need of manuals, pictures of troops with sets, anecdotes, schematics, parts, whole radios or what have you. The sets he told me about are REO, REP, REH, R-100, R-520 and we are both curious if there were others produced as well. It sounds like it will be a fun project and a great article so if you can, please help Henry out.

Thanks in advance.

73 Jay KE6PPF

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NOTIFY PILOT BEFORE UNLOCKING AUTOTUNE

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HEWLETT

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